

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1314789

Luminaire Tested: LDSQA3D17R309730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

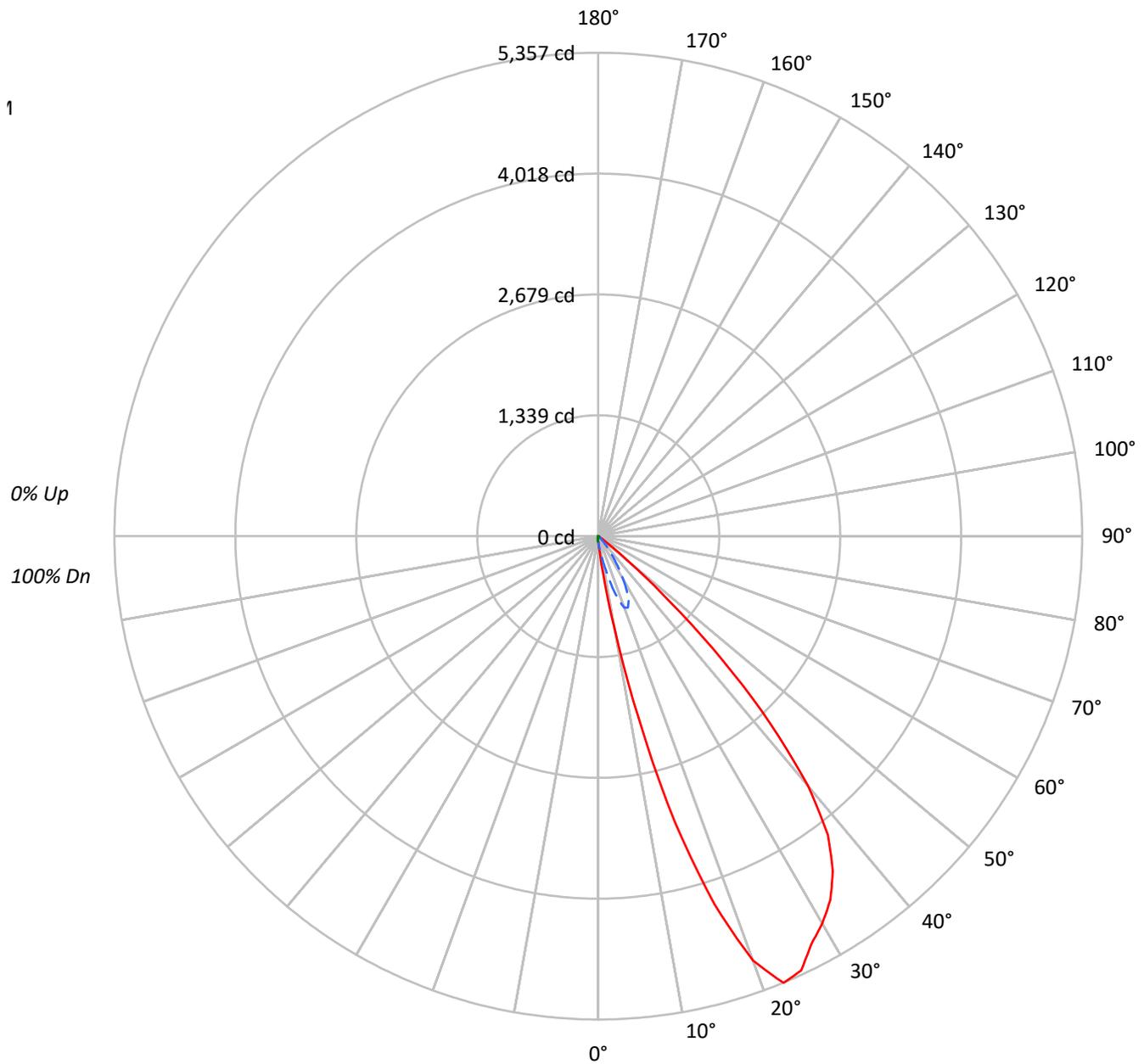
Test Method: LM-79-2019  
Report Number: P1314789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1263.1 lumens  
Efficiency: N/A  
Efficacy: 59.6 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - - 45°-225°    - - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41			41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	10333	10333	10333	10333	10333
5°	31118	20746	9785	4391	3596
10°	180231	44000	7677	2011	1417
15°	586244	99793	5349	410	214
20°	917349	154410	3391	0	0
25°	1009251	150881	1748	0	0
30°	985737	108779	696	0	0
35°	951401	61875	252	0	0
40°	811333	26214	0	0	0
45°	476159	9840	292	0	292
50°	115639	1849	322	322	938
55°	10059	0	691	1051	1381
60°	413	0	792	1206	1998
65°	489	489	1426	1426	2364
70°	604	604	1762	1762	2316
75°	0	799	2329	2329	2329
80°	0	1190	3471	2281	2281
85°	0	2371	6916	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 476159 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.0	0.9
10°-20°	173.6	13.7
20°-30°	441.1	34.9
30°-40°	439.7	34.8
40°-50°	178.1	14.1
50°-60°	12.3	1.0
60°-70°	2.8	0.2
70°-80°	2.8	0.2
80°-90°	1.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	625.7	49.5
0°-40°	1065.4	84.4
0°-60°	1255.9	99.4
0°-90°	1263.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	180	120	57	25	21	42
15°	3288	560	30	2	1	957
25°	5311	794	9	0	0	2398
35°	4525	294	1	0	0	2774
45°	1955	40	1	0	1	1492
55°	34	0	2	4	5	87
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	99.3	100.4	100.4	98.1	96.9	96.9	93.5	92.3	88.9	85.4	73.9
5°	180.0	176.6	172.0	172.0	161.6	155.8	147.7	138.5	131.6	120.0	85.4
7.5°	408.5	380.9	372.8	362.4	323.1	292.0	256.2	225.0	196.2	172.0	94.6
10°	1030.6	976.4	931.4	840.2	725.9	616.3	514.7	397.0	316.2	251.6	101.6
12.5°	2076.2	2003.5	1916.9	1750.8	1537.3	1263.7	1021.4	762.9	535.5	370.5	103.9
15°	3288.0	3164.5	3029.5	2818.3	2468.6	2076.2	1638.8	1226.8	859.8	559.7	101.6
17.5°	4275.9	4227.4	4027.8	3739.3	3311.1	2805.6	2266.6	1703.4	1159.9	732.8	94.6
20°	5005.3	4971.8	4730.6	4423.6	3941.2	3361.9	2677.5	2001.2	1368.8	842.5	84.2
22.5°	5357.3	5351.5	5177.3	4863.3	4352.1	3695.4	2941.8	2173.2	1433.4	857.5	70.4
25°	5311.1	5331.9	5232.7	4999.5	4509.0	3832.7	3020.3	2173.2	1386.1	794.0	58.9
27.5°	5101.1	5114.9	5052.6	4873.7	4416.7	3733.5	2910.6	2033.5	1248.7	682.1	48.5
30°	4956.8	4962.6	4885.3	4693.7	4209.0	3507.3	2652.1	1775.0	1041.0	547.0	35.8
32.5°	4781.4	4780.3	4690.2	4471.0	3936.6	3189.9	2324.3	1466.9	799.8	415.5	20.8
35°	4525.2	4496.3	4374.0	4121.3	3530.4	2762.9	1905.4	1117.2	575.9	294.3	12.7
37.5°	4173.2	4098.2	3925.1	3586.9	2960.2	2166.2	1412.6	784.8	393.5	195.0	8.1
40°	3608.8	3529.2	3293.8	2882.9	2238.9	1559.2	952.1	511.3	248.1	116.6	4.6
42.5°	2829.8	2775.6	2458.2	2048.5	1478.4	994.8	572.4	302.4	139.6	66.9	1.2
45°	1955.0	1884.6	1635.3	1288.0	887.5	551.7	320.8	158.1	79.6	40.4	0.0
47.5°	1079.1	992.5	848.3	667.1	446.6	289.7	161.6	85.4	45.0	19.6	0.0
50°	431.6	428.2	340.5	242.4	170.8	131.6	80.8	46.2	23.1	6.9	1.2
52.5°	151.2	151.2	130.4	106.2	83.1	60.0	40.4	21.9	8.1	2.3	1.2
55°	33.5	36.9	34.6	32.3	31.2	26.5	17.3	8.1	2.3	0.0	1.2
57.5°	3.5	3.5	3.5	4.6	5.8	5.8	4.6	2.3	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.3
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.3
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.5
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	60.0	60.0	60.0	60.0	60.0
2.5°	60.0	47.3	39.2	34.6	33.5
5°	56.6	35.8	25.4	21.9	20.8
7.5°	50.8	26.5	17.3	13.8	12.7
10°	43.9	19.6	11.5	8.1	8.1
12.5°	36.9	15.0	6.9	3.5	2.3
15°	30.0	9.2	2.3	1.2	1.2
17.5°	23.1	5.8	0.0	0.0	0.0
20°	18.5	2.3	0.0	0.0	0.0
22.5°	13.8	1.2	0.0	0.0	0.0
25°	9.2	0.0	0.0	0.0	0.0
27.5°	5.8	0.0	0.0	0.0	0.0
30°	3.5	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.3	2.3
50°	1.2	1.2	1.2	2.3	3.5
52.5°	2.3	1.2	2.3	3.5	3.5
55°	2.3	2.3	3.5	4.6	4.6
57.5°	2.3	2.3	3.5	4.6	4.6
60°	2.3	2.3	3.5	4.6	5.8
62.5°	3.5	3.5	3.5	4.6	4.6
65°	3.5	3.5	3.5	4.6	5.8
67.5°	3.5	3.5	3.5	4.6	5.8
70°	3.5	3.5	3.5	4.6	4.6
72.5°	4.6	3.5	3.5	4.6	4.6
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	2.3	3.5	3.5
80°	3.5	2.3	2.3	2.3	2.3
82.5°	3.5	2.3	2.3	2.3	2.3
85°	3.5	2.3	1.2	1.2	1.2
87.5°	3.5	2.3	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)